

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0022 Yolo County Service Area 6	Overall LMA Rating	Total LMA Miles					
	U	5.97					
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles
<i>Earthen Levee</i>							
Vegetation	0.54		0.54	9.05%	0.02	0.14	
Trim / Thin Trees	0.03	0.01	0.07	1.17%			
Encroachments	0.30		0.30	5.03%	0.05		
Animal Control	0.06		0.06	1.01%			
Erosion / Bank Caving	0.01		0.01	0.17%			
Emergency Supplies & Equipment	0.06		0.06	1.01%			
<i>Supplemental</i>							
USACE Erosion Survey	0.39		0.39	6.53%			
LMA Totals:	1.39	0.01	1.43	23.95%	0.07	0.14	0.00
							0.00

**Flood Control Project Maintenance
Levee Inspections**

LMA District Cover Sheet

Fall 2012 Levee Inspection Results

Yolo County Service Area 6

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Yolo County Service Area 6

Waterway			Bank	Unit Miles
Unit No. 01 Right Bank of Sacramento River at Knights Landing			Right	5.97
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/17/2012 - 04/17/2012		11/21/2012 - 11/21/2012	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Regina Espinosa Yolo County		Regina Espinosa Yolo County	
	Chris Starke Yolo County		Chris Starke Yolo County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
L/MR No.	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	Earthen Levee	Operations & Maintenance Manuals	LS	A Ma				°	°	37
										DWR ID: DWR_NA0022_01_s_2012_37
2	Earthen Levee	Emergency Supplies & Equipment	LS	M Ma				°	°	38
										DWR ID: DWR_NA0022_01_s_2012_38
3	Earthen Levee	Flood Preparedness & Training	LS	A Ma				°	°	42
										DWR ID: DWR_NA0022_01_s_2012_42
4	0.03 0.20	Earthen Levee	Vegetation	WS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.			38.799606 ° 38.801368 ° 6 -121.724048 ° -121.722054 ° Y		
										DWR ID: DWR_NA0022_01_s_2012_6
5	0.06 0.09	Earthen Levee	Vegetation	LS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.			38.799868 ° 38.800445 ° 91 -121.723934 ° -121.723523 ° Y		
										DWR ID: DWR_NA0022_01_s_2012_91
6	0.15 0.15	Earthen Levee	Encroachments	LS M En	PR : Prunings			38.800802 ° 38.800802 ° 13 -121.722888 ° -121.722888 ° Y		
										DWR ID: DWR_NA0022_01_s_2012_13
7	0.15 0.15	Earthen Levee	Encroachments	WS M En	BU : Building			38.800828 ° 38.800828 ° 29 -121.722902 ° -121.722902 ° Y		
										DWR ID: DWR_NA0022_01_s_2012_29
8	0.18 0.18	Earthen Levee	Encroachments	LS M En	PR : Prunings			38.801103 ° 38.801103 ° 17 -121.722293 ° -121.722293 ° Y		
										DWR ID: DWR_NA0022_01_s_2012_17
9	0.22 0.26	Earthen Levee	Encroachments	LS A/W En	BU : Building Inspector Comments: RV park runs on and along levee to bridge			38.801500 ° 38.801613 ° 28 -121.721878 ° -121.721328 ° Y		
										DWR ID: DWR_NA0022_01_s_2012_28
10	0.31 0.33	Earthen Levee	Vegetation	LS M En	V6 : Landscaping Inspector Comments: This is a two year old home. I have talked to the owner about a permit and he continues to landscape the landside slope with no permit. Owner has added fence across levee. Gave her an application, did field investigation report.			38.801720 ° 38.801840 ° 27 -121.720447 ° -121.720030 ° Y		
										DWR ID: DWR_NA0022_01_s_2012_27
11	0.35 0.39	Earthen Levee	Encroachments	LS A/W En	BU : Building Inspector Comments: Apartments with chainlink fence with lathe woven into it.			38.801967 ° 38.802105 ° 26 -121.719727 ° -121.718963 ° Y		
										DWR ID: DWR_NA0022_01_s_2012_26
12	0.43 0.43	Earthen Levee	Encroachments	WS M En	PR : Prunings			38.802128 ° 38.802128 ° 18 -121.718308 ° -121.718308 ° Y		
										DWR ID: DWR_NA0022_01_s_2012_18
13	0.50 0.57	Earthen Levee	Vegetation	WSA/W En	V6 : Landscaping			38.802238 ° 38.801960 ° 24 -121.716875 ° -121.715700 ° Y		
										DWR ID: DWR_NA0022_01_s_2012_24

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
LMR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	End
14	0.51	0.57	Earthen Levee	Encroachments	LS A/W	BU : Building En				38.802172 ° 38.801958 ° 25 -121.716705 ° -121.715758 ° Y DWR ID: DWR_NA0022_01_s_2012_25	
15	0.57	0.71	Earthen Levee	Vegetation	LS U	V6 : Landscaping En	Inspector Comments: Oleander hedge			38.801968 ° 38.801077 ° 22 -121.715707 ° -121.713335 ° Y DWR ID: DWR_NA0022_01_s_2012_22	
16	0.57	0.65	Earthen Levee	Encroachments	WSA/W	BU : Building En	Inspector Comments: Yolo Sutter Yacht Club			38.801965 ° 38.801468 ° 23 -121.715705 ° -121.714348 ° Y DWR ID: DWR_NA0022_01_s_2012_23	
17	0.73	0.73	Earthen Levee	Vegetation	LS M	V2 : Remove the wild growth other than native grasses Ma	from the levee slopes.			38.800960 ° 38.800960 ° 2 -121.713153 ° -121.713153 ° Y DWR ID: DWR_NA0022_01_s_2012_2	
18	0.97	1.14	Earthen Levee	Vegetation	LS M	V2 : Remove the wild growth other than native grasses Ma	from the levee slopes.			38.800188 ° 38.800577 ° 21 -121.708918 ° -121.705830 ° Y DWR ID: DWR_NA0022_01_s_2012_21	
19	1.18	1.34	Earthen Levee	Vegetation	LS M	V2 : Remove the wild growth other than native grasses Ma	from the levee slopes.			38.800778 ° 38.802058 ° 20 -121.705135 ° -121.702633 ° Y DWR ID: DWR_NA0022_01_s_2012_20	
20	1.78	1.78	Earthen Levee	Encroachments	WSA/W	PR : Prunings Ma				38.797916 ° 38.797916 ° 9 -121.697980 ° -121.697980 ° Y DWR ID: DWR_NA0022_01_s_2012_9	
21	1.99	1.99	Earthen Levee	Animal Control	CR C	A3 : No rodents visible, but rodent burrows visible; need to Ma	backfill and compact or grout burrows.			38.795459 ° 38.795459 ° 83 -121.695954 ° -121.695954 ° DWR ID: DWR_NA0022_01_s_2012_83	
22	1.99	1.99	Earthen Levee	Encroachments	LS M	PR : Prunings Ma				38.795456 ° 38.795456 ° 82 -121.695954 ° -121.695954 ° Y DWR ID: DWR_NA0022_01_s_2012_82	
23	2.03	2.03	Earthen Levee	Animal Control	LS M	A3 : No rodents visible, but rodent burrows visible; need to Ma	backfill and compact or grout burrows.			38.794956 ° 38.794956 ° 7 -121.695826 ° -121.695826 ° Y DWR ID: DWR_NA0022_01_f_2012_7	
24	2.06	2.06	Earthen Levee	Encroachments	LS M	PR : Prunings Ma				38.794439 ° 38.794439 ° 84 -121.695692 ° -121.695692 ° Y DWR ID: DWR_NA0022_01_s_2012_84	
25	2.07	2.07	Earthen Levee	Animal Control	CR M	A3 : No rodents visible, but rodent burrows visible; need to Ma	backfill and compact or grout burrows.			38.794391 ° 38.794391 ° 85 -121.695684 ° -121.695684 ° Y DWR ID: DWR_NA0022_01_s_2012_85	
26	2.18	2.18	Earthen Levee	Animal Control	LS M	A3 : No rodents visible, but rodent burrows visible; need to Ma	backfill and compact or grout burrows.			38.792956 ° 38.792956 ° 8 -121.696025 ° -121.696025 ° Y DWR ID: DWR_NA0022_01_s_2012_8	
27	2.22	2.22	Earthen Levee	Encroachments	LS M	PI : Pipe Ma				38.792499 ° 38.792499 ° 40 -121.695508 ° -121.695508 ° Y DWR ID: DWR_NA0022_01_s_2012_40	
28	2.22	2.22	Earthen Levee	Animal Control	LS M	A3 : No rodents visible, but rodent burrows visible; need to Ma	backfill and compact or grout burrows.			38.792428 ° 38.792428 ° 35 -121.695495 ° -121.695495 ° Y DWR ID: DWR_NA0022_01_s_2012_35	

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Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
LMR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
29	2.24	2.24	Earthen Levee	Encroachments	LS Ma	M	FW : Firewood	38.792283 °	38.792283 °	39	
								-121.695447 °	-121.695447 °	Y	DWR ID: DWR_NA0022_01_s_2012_39
30	2.25	2.25	Earthen Levee	Animal Control	LS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.792128 °	38.792128 °	41	
								-121.695400 °	-121.695400 °	Y	DWR ID: DWR_NA0022_01_s_2012_41
31	2.30	2.30	Earthen Levee	Trim / Thin Trees	WS Ma	U	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Tree fell across crown, but still accessible. Tree needs to cut up and removed or burned.	38.791321 °	38.791321 °	52	
								-121.695261 °	-121.695261 °	Y	DWR ID: DWR_NA0022_01_s_2012_52
32	2.62	2.62	Earthen Levee	Encroachments	LS En	A/W	BU : Building	38.786964 °	38.786964 °	11	
								-121.694239 °	-121.694239 °	Y	DWR ID: DWR_NA0022_01_s_2012_11
33	2.62	2.62	Earthen Levee	Animal Control	CR Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.787038 °	38.787038 °	86	
								-121.694237 °	-121.694237 °	Y	DWR ID: DWR_NA0022_01_s_2012_86
34	2.72	2.72	Earthen Levee	Erosion / Bank Caving	LS Ma	M	E2 : Schedule repair of erosion site prior to the next inspection.	38.785613 °	38.785613 °	87	
								-121.694266 °	-121.694266 °	Y	DWR ID: DWR_NA0022_01_s_2012_87
35	2.97	2.97	Earthen Levee	Encroachments	LS En	M	PR : Prunings	38.783030 °	38.783030 °	10	
								-121.691613 °	-121.691613 °	Y	DWR ID: DWR_NA0022_01_f_2012_10
36	3.12	3.19	Earthen Levee	Encroachments	LS En	A/W	BU : Building	38.781828 °	38.780852 °	12	
								-121.689415 °	-121.688887 °	Y	DWR ID: DWR_NA0022_01_s_2012_12
37	3.12	3.12	Earthen Levee	Trim / Thin Trees	CR Ma	M	T4 : Trim trees over roadway to at least 12 feet above ground level.	38.781737 °	38.781737 °	14	
								-121.689362 °	-121.689362 °	Y	DWR ID: DWR_NA0022_01_f_2012_14
38	3.13	3.38	Earthen Levee	Encroachments	WS Ma	M	PR : Prunings	38.781676 °	38.778376 °	30	
								-121.689327 °	-121.687447 °	Y	DWR ID: DWR_NA0022_01_f_2012_30
39	3.18	3.28	Supplemental USACE Erosion Survey	WS Ma	M		Inspector Comments: 2006 - Short section is into the levee toe, rest is near the levee toe. Mass failure and fluvial erosion of depositional material. Rock at the upstream and downstream ends. 2011 - Minor new erosion. 2012: No observed change. [2012 Site ID: SAC_86-9_R]	38.780407 °	38.779137 °	3	
								-121.688238 °	-121.687432 °	Y	DWR ID:
40	3.25	3.25	Earthen Levee	Trim / Thin Trees	WS Ma	M	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Dead tree broken during winter storms, needs to be cleaned up.	38.780041 °	38.780041 °	15	
								-121.688499 °	-121.688499 °	Y	DWR ID: DWR_NA0022_01_s_2012_15

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
L/MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
41	3.31	3.31	Earthen Levee	Trim / Thin Trees	WS Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Fallen tree from winter storms, needs to be cleaned up.	38.779352 ° -121.688041 °	38.779352 ° -121.688041 °	Y	DWR ID: DWR_NA0022_01_s_2012_16	
42	3.47	3.47	Earthen Levee	Encroachments	WS C En	PI : Pipe Inspector Comments: Pipe was dug out and looks like a hole in pipe.	38.777217 ° -121.687038 °	38.777217 ° -121.687038 °	33	DWR ID: DWR_NA0022_01_s_2012_33	
43	3.70	3.70	Earthen Levee	Encroachments	WS M Ma	TR : Tree or limb	38.773984 ° -121.687722 °	38.773984 ° -121.687722 °	89	DWR ID: DWR_NA0022_01_s_2012_89	
44	4.31	4.57	Earthen Levee	Vegetation	WSA/W Ob	V8 : Environmental Requirements.	38.767125 ° -121.693267 °	38.764582 ° -121.690285 °	36	DWR ID: DWR_NA0022_01_s_2012_36	
45	4.66	4.86	Supplemental USACE Erosion Survey	WS M Ma	Inspector Comments: 2009 - Erosion into the levee toe. Some cobbles have been dumped into the erosion pockets. 2010 - Old cobble site starting to unravel. 2012: No observed change. [2012 Site ID: SAC_85-4_R]		38.763486 ° -121.687567 °	38.763313 ° -121.684038 °	4	DWR ID:	
46	5.60	5.65	Earthen Levee	Encroachments	LS A/W En	BU : Building	38.759620 ° -121.673903 °	38.759412 ° -121.673167 °	1	DWR ID: DWR_NA0022_01_s_2012_1	
47	5.77	5.86	Supplemental USACE Erosion Survey	WS M Ma	Inspector Comments: 2006 - Approximately 18 to 20 ft of bank near levee at the corner of the levee and the Freemont Weir. Vertical bank with undercutting/mass failure. 2007 - Staked at top of bank for monitoring. 2011 - Site has become significantly worse with more of the toe and lower bank eroded. Many trees have fallen since last year. 2012: Site looks worse with more erosion around trees. [2012 Site ID: SAC_83-9_R]		38.758877 ° -121.669365 °	38.759390 ° -121.667500 °	5	DWR ID:	

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Remove all brush except grasses.	



Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Grasses are taller than 12 inches with brush that obstruct the view. Fall 2011	



Levee Mile Report Line	5
Start Levee Mile	0.06
End Levee Mile	0.09
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Trees and berries are on the landside slope. Fall 2012	



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Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	6
Start Levee Mile	0.15
End Levee Mile	0.15
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Pruings from the fig tree left at toe. Photo taken spring 2012.	johngw_f_20120911_294.jpg



Levee Mile Report Line	7
Start Levee Mile	0.15
End Levee Mile	0.15
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Building on waterside.	johngw_f_20120911_311.jpg



Levee Mile Report Line	8
Start Levee Mile	0.18
End Levee Mile	0.18
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Piles of pruning and debris at toe. Photo taken spring 2012.	johngw_f_20120911_298.jpg



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Levee Mile Report Line	8
Start Levee Mile	0.18
End Levee Mile	0.18
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The pruning pile is growing from last inspection. Fall 2012	
<i>johngw_f_20121126_878.jpg</i>	



Levee Mile Report Line	9
Start Levee Mile	0.22
End Levee Mile	0.26
Location	Land Side
Category	Earthen Levee
Item	Encroachments
RV park trailers and vehicles on levee.	
<i>johngw_f_20120911_310.jpg</i>	



Levee Mile Report Line	10
Start Levee Mile	0.31
End Levee Mile	0.33
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping on levee slope.	
<i>johngw_f_20120911_309.jpg</i>	



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Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	11
Start Levee Mile	0.35
End Levee Mile	0.39
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Apartments and fence.	
<i>johngw_f_20120911_307.jpg</i>	



Levee Mile Report Line	12
Start Levee Mile	0.43
End Levee Mile	0.43
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Piles of prunings on waterside toe, photo taken spring 2012.	
<i>johngw_f_20120911_299.jpg</i>	



Levee Mile Report Line	13
Start Levee Mile	0.50
End Levee Mile	0.57
Location	Water Side
Category	Earthen Levee
Item	Vegetation
On levee crown.	
<i>johngw_f_20120911_305.jpg</i>	



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Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	14
Start Levee Mile	0.51
End Levee Mile	0.57
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Houses on levee.	johngw_f_20120911_306.jpg



Levee Mile Report Line	15
Start Levee Mile	0.57
End Levee Mile	0.71
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Oleanders along the shoulder.	johngw_f_20120911_303.jpg



Levee Mile Report Line	16
Start Levee Mile	0.57
End Levee Mile	0.65
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Yacht club.	johngw_f_20120911_304.jpg



* Location
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CR : Crown

** Rating
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	17
Start Levee Mile	0.73
End Levee Mile	0.73
Location	Land Side
Category	Earthen Levee
Item	Vegetation

The berries have been grazed down but not killed.
Photo taken spring 2012.

johngw_f_20120911_279.jpg



Levee Mile Report Line	17
Start Levee Mile	0.73
End Levee Mile	0.73
Location	Land Side
Category	Earthen Levee
Item	Vegetation

A current view of the berries, they have been cut down. Fall 2012

johngw_f_20121126_879.jpg



Levee Mile Report Line	18
Start Levee Mile	0.97
End Levee Mile	1.14
Location	Land Side
Category	Earthen Levee
Item	Vegetation

The vegetation completely blocks the view of the levee slope. Fall 2011

johngw_f_20120911_302.jpg



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	19
Start Levee Mile	1.18
End Levee Mile	1.34
Location	Land Side
Category	Earthen Levee
Item	Vegetation

The vegetation blocks the view of the levee slope.
Fall 2011

johngw_f_20120911_301.jpg



Levee Mile Report Line	20
Start Levee Mile	1.78
End Levee Mile	1.78
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Prunings

johngw_f_20120911_291.jpg



Levee Mile Report Line	20
Start Levee Mile	1.78
End Levee Mile	1.78
Location	Water Side
Category	Earthen Levee
Item	Encroachments

The pile has been burned but there is a small pile beyond the slope. Fall 2012

johngw_f_20121126_880.jpg



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	22
Start Levee Mile	1.99
End Levee Mile	1.99
Location	Land Side
Category	Earthen Levee
Item	Encroachments
A pile of prunings is stacked on the levee slope near the toe. Fall 2011	
<i>johngw_f_20120911_325.jpg</i>	



Levee Mile Report Line	23
Start Levee Mile	2.03
End Levee Mile	2.03
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Many rodent hole in this location on the slope. Fall 2012	
<i>johngw_f_20121126_881.jpg</i>	



Levee Mile Report Line	24
Start Levee Mile	2.06
End Levee Mile	2.06
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Another pile of prunings is stacked on the levee slope. Fall 2011	
<i>johngw_f_20120911_327.jpg</i>	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	25
Start Levee Mile	2.07
End Levee Mile	2.07
Location	Crown
Category	Earthen Levee
Item	Animal Control
A rodent hole in the crown of the levee. Fall 2011	
<i>johngw_f_20120911_328.jpg</i>	



Levee Mile Report Line	26
Start Levee Mile	2.18
End Levee Mile	2.18
Location	Land Side
Category	Earthen Levee
Item	Animal Control
There are multiple rodent holes but no visible rodents. Need to backfill and compact.	
<i>johngw_f_20120911_290.jpg</i>	



Levee Mile Report Line	27
Start Levee Mile	2.22
End Levee Mile	2.22
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Pipe along toe.	
<i>johngw_f_20120911_321.jpg</i>	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	28
Start Levee Mile	2.22
End Levee Mile	2.22
Location	Land Side
Category	Earthen Levee
Item	Animal Control
A rodent hole needs to be backfilled and compacted.	johngw_f_20120911_316.jpg



Levee Mile Report Line	29
Start Levee Mile	2.24
End Levee Mile	2.24
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Firewood stacked up.	johngw_f_20120911_320.jpg



Levee Mile Report Line	29
Start Levee Mile	2.24
End Levee Mile	2.24
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The firewood pile is continuing to grow along the toe of the levee. Fall 2012	johngw_f_20121126_882.jpg



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	30
Start Levee Mile	2.25
End Levee Mile	2.25
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodents



johngw_f_20120911_322.jpg

Levee Mile Report Line	31
Start Levee Mile	2.30
End Levee Mile	2.30
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

The tree is on the waterside levee slope and shoulder. Fall 2012



johngw_f_20121126_883.jpg

Levee Mile Report Line	32
Start Levee Mile	2.62
End Levee Mile	2.62
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Garage at toe.



johngw_f_20120911_292.jpg

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	33
Start Levee Mile	2.62
End Levee Mile	2.62
Location	Crown
Category	Earthen Levee
Item	Animal Control
A very large rodent hole at the shoulder of the levee. Fall 2011	
johngw_f_20120911_329.jpg	



Levee Mile Report Line	34
Start Levee Mile	2.72
End Levee Mile	2.72
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion caused by a build up of water then running off the slope. Fall 2011	
johngw_f_20120911_330.jpg	



Levee Mile Report Line	35
Start Levee Mile	2.97
End Levee Mile	2.97
Location	Land Side
Category	Earthen Levee
Item	Encroachments
A pruning pile at the toe. Fall 2012	
johngw_f_20121126_884.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	36
Start Levee Mile	3.12
End Levee Mile	3.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The buildings are encroaching into the levee slope.	
<i>johngw_f_20120911_293.jpg</i>	



Levee Mile Report Line	36
Start Levee Mile	3.12
End Levee Mile	3.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Buildings are located at the toe of the levee. Fall 2012	
<i>johngw_f_20121126_885.jpg</i>	



Levee Mile Report Line	37
Start Levee Mile	3.12
End Levee Mile	3.12
Location	Crown
Category	Earthen Levee
Item	Trim / Thin Trees
Trees need to be trimmed to the height of 12 feet. Fall 2012	
<i>johngw_f_20121126_886.jpg</i>	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

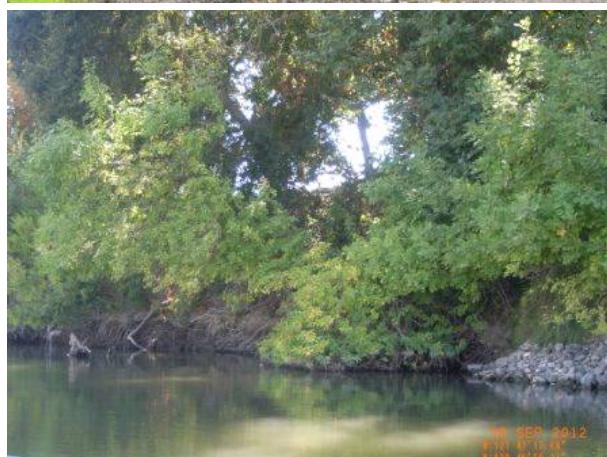
Levee Mile Report Line	38
Start Levee Mile	3.13
End Levee Mile	3.38
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Piles of prunings are on the waterside slope. Fall 2012	
johngw_f_20121126_887.jpg	



Levee Mile Report Line	38
Start Levee Mile	3.13
End Levee Mile	3.38
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Many piles are on the slope. Fall 2012.	
johngw_f_20121126_888.jpg	



Levee Mile Report Line	39
Start Levee Mile	3.18
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2012_SAC_86-9_R_1.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	39
Start Levee Mile	3.18
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

USACE2012_SAC_86-9_R_2.jpg



USACE 2012 Photo #3

USACE2012_SAC_86-9_R_3.jpg



Branches from dead trees, water side.

johngw_f_20120911_295.jpg



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	41
Start Levee Mile	3.31
End Levee Mile	3.31
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
A cottonwood tree has fallen over against the slope. Fall 2011	
johngw_f_20120911_296.jpg	



Levee Mile Report Line	41
Start Levee Mile	3.31
End Levee Mile	3.31
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
This is the root ball of the tree. It has created a large void in the berm. Fall 2011	
johngw_f_20120911_297.jpg	



Levee Mile Report Line	43
Start Levee Mile	3.70
End Levee Mile	3.70
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Another tree has fallen on the waterside slope. Fall 2011	
johngw_f_20120911_331.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	44
Start Levee Mile	4.31
End Levee Mile	4.57
Location	Water Side
Category	Earthen Levee
Item	Vegetation
USACE revegetation site photo spring 2012.	johngw_f_20120911_317.jpg



Levee Mile Report Line	44
Start Levee Mile	4.31
End Levee Mile	4.57
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Fence, irrigation and stakes in the revegetation site.	johngw_f_20120911_318.jpg



Levee Mile Report Line	44
Start Levee Mile	4.31
End Levee Mile	4.57
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Another view of the site.	johngw_f_20120911_319.jpg



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	45
Start Levee Mile	4.66
End Levee Mile	4.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1



USACE2012_SAC_85-4_R_1.jpg

Levee Mile Report Line	45
Start Levee Mile	4.66
End Levee Mile	4.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2



USACE2012_SAC_85-4_R_2.jpg

Levee Mile Report Line	45
Start Levee Mile	4.66
End Levee Mile	4.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3



USACE2012_SAC_85-4_R_3.jpg

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.97	11/21/2012 11/21/2012	John Williamson

Levee Mile Report Line	45
Start Levee Mile	4.66
End Levee Mile	4.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #4



USACE2012_SAC_85-4_R_4.jpg

Levee Mile Report Line	46
Start Levee Mile	5.60
End Levee Mile	5.65
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The house and landscape are in the easement of the levee. Fall 2011



johngw_f_20120911_277.jpg

Levee Mile Report Line	47
Start Levee Mile	5.77
End Levee Mile	5.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1



USACE2012_SAC_83-9_R_1.jpg

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Yolo County Service Area 6

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Levee Mile Report Line	47
Start Levee Mile	5.77
End Levee Mile	5.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2012_SAC_83-9_R_2.jpg	



Levee Mile Report Line	47
Start Levee Mile	5.77
End Levee Mile	5.86
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #3	
USACE2012_SAC_83-9_R_3.jpg	



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